Most Frequently Occurring Classifications of Patents Returned From A Search of 10/600,598 on March 09, 2004

Combined Classifications

COI	HUHIEU CIASSIIICAIIUI
18	257/E21.584
14	438/637
14	438/687
11	257/E21.585
9	257/E23.145
9	438/627
9	438/638
8	257/E21.582
7	257/758
7	438/622
7	438/629
7	438/643
6	257/774

^{7 438/629} 7 438/643 6 257/774 6 257/E21.576 6 438/624 6 438/633 6 438/672 5 257/751 5 257/762 5 438/618 5 438/628 5 438/653 4 438/644 4 438/648 3 204/192.25

3 257/752 3 257/760 3 257/763 3 257/E21.508 3 257/E21.579 3 257/E21.583 3 257/E21.586

3 257/E21.589 3 257/E23.02 3 427/97 3 438/625 3 438/634 3 438/639 3 438/656 3 438/660 3 438/685

2 204/192.15 2 204/192.22

2 204/192.23

2 204/298.07

2 204/298.11

2 257/622

2 257/7412 257/761

2 257/764

-2 -257/773

2 257/E21.251

2 257/E21.256 2 257/E21.309 2 257/E21.588 2 257/E23.167 2 427/123 2 427/304 2 427/96 2 438/612 2 438/666 2 438/675 2 438/678 2 438/688 2 438/689 2 438/692 2 438/745

2 438/775

	(1 OR, 13 XR) 38 : SEMICONDUCTOR DEVICE MANUFACTURING: PROCESS
438/584	COATING WITH ELECTRICALLY OR THERMALLY CONDUCTIVE MATERIAL
438/597	
438/618	
438/622	·
438/637	
14 438/687 Class 4	(6 OR, 8 XR) 438 : SEMICONDUCTOR DEVICE MANUFACTURING: PROCESS
438/584	COATING WITH ELECTRICALLY OR THERMALLY CONDUCTIVE MATERIAL
438/597	.To form ohmic contact to semiconductive material
438/687	
9 438/627 Class 4	(0 OR, 9 XR) 438 : SEMICONDUCTOR DEVICE MANUFACTURING: PROCESS
438/584	COATING WITH ELECTRICALLY OR THERMALLY CONDUCTIVE MATERIAL
438/597	.To form ohmic contact to semiconductive
438/618	materialContacting multiple semiconductive regions (i.e., interconnects)
438/622	
438/625	
438/627	
	•
	(3 OR, 6 XR) 438 : SEMICONDUCTOR DEVICE MANUFACTURING: PROCESS
438/584	COATING WITH ELECTRICALLY OR THERMALLY CONDUCTIVE MATERIAL
438/597	.To form ohmic contact to semiconductive
438/618	material Contacting multiple semiconductive regions (i.e., interconnects)
438/622	
438/637	With formation of opening (i.e., viahole)
438/638	in insulative layer Having viaholes of diverse width
7-257/758 -	(2-OR,-5-XR)

7-257/758 -- (2-OR, 5-XR) -- Class 257 : ACTIVE SOLID-STATE DEVICES

COMBINED WITH ELECTRICAL CONTACT OR LEAD 257/734 257/741 .Of specified material other than unalloyed aluminum 257/750 ..Layered 257/758 ...Multiple metal levels on semiconductor, separated by insulating layer (e.g., multiple level metallization for integrated circuit) 7 438/622 (2 OR, 5 XR) Class 438: SEMICONDUCTOR DEVICE MANUFACTURING: PROCESS COATING WITH ELECTRICALLY OR THERMALLY 438/584 CONDUCTIVE MATERIAL 438/597 .To form ohmic contact to semiconductive material 438/618 .. Contacting multiple semiconductive regions (i.e., interconnects) ...Multiple metal levels, separated by 438/622 insulating layer (i.e., multiple level metallization) 7 438/629 (1 OR, 6 XR) Class 438: SEMICONDUCTOR DEVICE MANUFACTURING: PROCESS COATING WITH ELECTRICALLY OR THERMALLY 438/584 CONDUCTIVE MATERIAL .To form ohmic contact to semiconductive 438/597 material 438/618 .. Contacting multiple semiconductive regions (i.e., interconnects) 438/622 ...Multiple metal levels, separated by insulating layer (i.e., multiple level metallization)At least one metallization level formed of 438/625 diverse conductive layersDiverse conductive layers limited to 438/629 viahole/plug 7 438/643 (2 OR, 5 XR) Class 438: SEMICONDUCTOR DEVICE MANUFACTURING: PROCESS COATING WITH ELECTRICALLY OR THERMALLY 438/584 CONDUCTIVE MATERIAL 438/597 .To form ohmic contact to semiconductive material .. Contacting multiple semiconductive regions 438/618 (i.e., interconnects) 438/642 ...Diverse conductors 438/643At least one layer forms a diffusion barrier 6 257/774 (3 OR, 3 XR) Class 257: ACTIVE SOLID-STATE DEVICES COMBINED WITH ELECTRICAL CONTACT OR LEAD 257/734 257/773 .Of specified configuration .. Via (interconnection hole) shape 257/774

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6 438/624
             (0 OR, 6 XR)
    Class 438: SEMICONDUCTOR DEVICE MANUFACTURING: PROCESS
    438/584
                     COATING WITH ELECTRICALLY OR THERMALLY
                CONDUCTIVE MATERIAL
    438/597
                     .To form ohmic contact to semiconductive
               material
                     .. Contacting multiple semiconductive regions
    438/618
               (i.e., interconnects)
                     ...Multiple metal levels, separated by
    438/622
              insulating layer (i.e., multiple level metallization)
                     ....Separating insulating layer is laminate or
    438/624
              composite of plural insulating materials
6 438/633
             (1 OR, 5 XR)
    Class 438: SEMICONDUCTOR DEVICE MANUFACTURING: PROCESS
                     COATING WITH ELECTRICALLY OR THERMALLY
    438/584
                 CONDUCTIVE MATERIAL
                     .To form ohmic contact to semiconductive
    438/597
                material
                     .. Contacting multiple semiconductive regions
    438/618
                (i.e., interconnects)
                     ...Multiple metal levels, separated by
    438/622
               insulating layer (i.e., multiple level metallization)
                     ....Having planarization step
    438/631
                     .....Simultaneously by chemical and mechanical
    438/633
              means
6 438/672
              (0 OR, 6 XR)
    Class 438: SEMICONDUCTOR DEVICE MANUFACTURING: PROCESS
                     COATING WITH ELECTRICALLY OR THERMALLY
    438/584
                CONDUCTIVE MATERIAL
                     .To form ohmic contact to semiconductive
    438/597
               material
                     ..And patterning of conductive layer
    438/669
                     ...Plug formation (i.e., in viahole)
    438/672
              (1 OR, 4 XR)
5 257/751
    Class 257: ACTIVE SOLID-STATE DEVICES
                     COMBINED WITH ELECTRICAL CONTACT OR LEAD
    257/734
                     .Of specified material other than unalloyed
    257/741
               aluminum
    257/750
                     ..Layered
                     ... At least one layer forms a diffusion barrier
    257/751
              (1 OR, 4 XR)
5 257/762
    Class 257: ACTIVE SOLID-STATE DEVICES
    257/734
                     COMBINED WITH ELECTRICAL CONTACT OR LEAD
                     .Of specified material other than unalloyed
    257/741
               aluminum
    257/750
                     ..Layered
                     ...At least one layer containing silver or
    257/762
              copper
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5 438/618 (2 OR, 3 XR) Class 438: SEMICONDUCTOR DEVICE MANUFACTURING: PROCESS COATING WITH ELECTRICALLY OR THERMALLY 438/584 CONDUCTIVE MATERIAL 438/597 .To form ohmic contact to semiconductive material .. Contacting multiple semiconductive regions 438/618 (i.e., interconnects) 5 438/628 (1 OR. 4 XR) Class 438: SEMICONDUCTOR DEVICE MANUFACTURING: PROCESS 438/584 COATING WITH ELECTRICALLY OR THERMALLY CONDUCTIVE MATERIAL 438/597 .To form ohmic contact to semiconductive material 438/618 .. Contacting multiple semiconductive regions (i.e., interconnects) 438/622 ...Multiple metal levels, separated by insulating layer (i.e., multiple level metallization)At least one metallization level formed of 438/625 diverse conductive lavers 438/628Having adhesion promoting layer 5 438/653 (0 OR, 5 XR) 438: SEMICONDUCTOR DEVICE MANUFACTURING: PROCESS Class 438/584 COATING WITH ELECTRICALLY OR THERMALLY CONDUCTIVE MATERIAL 438/597 .To form ohmic contact to semiconductive material ..Plural layered electrode or conductor 438/652 438/653 ...At least one layer forms a diffusion barrier 4 438/644 (0 OR, 4 XR) Class 438: SEMICONDUCTOR DEVICE MANUFACTURING: PROCESS 438/584 COATING WITH ELECTRICALLY OR THERMALLY CONDUCTIVE MATERIAL 438/597 .To form ohmic contact to semiconductive material 438/618 .. Contacting multiple semiconductive regions (i.e., interconnects) 438/642 ...Diverse conductors 438/644 Having adhesion promoting layer 4 438/648 (0 OR, 4 XR) Class 438: SEMICONDUCTOR DEVICE MANUFACTURING: PROCESS COATING WITH ELECTRICALLY OR THERMALLY 438/584 CONDUCTIVE MATERIAL .To form ohmic contact to semiconductive 438/597 material

PLUS Search Results for S/N 10/600,598, Searched March 09, 2004 (Top 50)

The Patent Linguistics Utility System (PLUS) is a USPTO automated search system for U.S. Patents from 1971 to the present. PLUS is a query-by-example search system which produces a list of patents that are most closely related linguistically to the application searched. This search was prepared by the staff of the Scientific and Technical Information Center, SIRA.

5904565	5677244	6046108	6204179	6352921
6023102	5948705	6048790	6205658	6380065
6037250	6096648	6059940	6207222	6399486
6191023	6146517	6059940	6255192	6406939
6040240	5243222	6077779	6261952	6410435
6133144	5897369	6146988	6274923	6410442
6350667	5939788	6180523	6278153	6417575
6492735	5939334	6181013	6281589	6424044
6607978	5989623	6197681	6329701	6429119
4410622	6004188	6204168	6348408	6448654